

THIS MONTH'S PROGRAM

Gary Skuse, KA1NJL – RARA Vice President

At the March RARA meeting Ross Mazzola, KC2LOC and long-standing member of the RARA Board of Directors, will be talking to us about the Military Auxiliary Radio System (MARS). That meeting is scheduled for Friday March 7th at 7:00pm. The threefold mission of MARS is (1) to provide Department of Defense sponsored emergency communications on a local, national and international basis as an adjunct to normal communications, (2) to provide auxiliary communications for military, civil and/or disaster officials during periods of emergency and (3) to assist in effecting normal communications during emergency conditions.

MARS is headquartered at Fort Huachuca, AZ and it is assigned to the US Army Network Enterprise Technology Command (NETCOM) but its operators are located around the country. MARS serves the Army, Navy-Marine Corps and Air Force and throughout its history it has provided world-wide auxiliary communication when needed. An impressive group of over 5,000 dedicated amateur operators volunteer their communications expertise to the program.



Participating in the MARS program provides amateur radio operators like us opportunities to operate voice and digital modes on frequencies assigned exclusively to MARS. Regularly scheduled nets enable MARS operators to hone their skills and enjoy the comradery of their fellow MARS stations who are together providing a valuable public service. Ross is going to tell us about his experiences and the benefits he receives as a MARS member.

I personally hold former and active members of the armed forces in high regard for their service to protect the freedoms that I enjoy every day. So of course, anyone who aids in their mission is ok with me. In that light I encourage everyone to join us for the next RARA meeting, to be held at the usual location, the Henrietta Fire Company #1 located at 3129 East Henrietta Road near Lehigh Station Road, for this interesting presentation.

On a related note, if you were at the February meeting you may remember me saying that the program for March was going to be presented by a ham from Italy who would tell us about his efforts to prepare for an eruption of Mt. Vesuvius. That presentation has been postponed until April so we will hear it, just a month later than anticipated. In keeping with the military theme of the March program this SNAFU is SOP.

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RARA MEETING
March 7th, 7PM

Henrietta Fire Co. #1
3129 East Henrietta Rd.
(15A)

PREZ SEZ

Bill Marinucci, WB2GHC – RARA President

We held our annual RARA Winterfest this year on February 1, 2014, with snow on the ground and frost in the air. There was a fire burning in the fireplace and the cabin was warm. It was the best attended Winterfest of all that we have had. Thanks to all who attended. For those of you who couldn't make it, I assure you that no one left the event even the slightest bit hungry. Chili, chili, chili was bountiful, along with all kinds of desserts. The results of the Best Chili Contest are: 1st place went to Jim Stefano (W2COP) for his venison chili, 2nd place went to yours truly, for a three bean medium spiced chili con carnie, and there was a tie for 3rd place. Third place went to Bill (WB2SXY) / Pam (W2PHK) Kasperkoski, and Sabrina Hamill (WD2STK). Thank you to all who entered the contest.

What was also encouraging was to have some 'newbies' there, as well as a few cub scouts who showed an interest in ham radio. Their pack leaders were also there, and their wish is that all 10 boys in their pack get their Technician licenses in the fall. There were two ham radio stations up and running at the Winterfest, which gave both the 'newbies' and cub scouts hands-on experience. Arrangements are under development to instruct the cubs at their school. It is absolutely awesome to get young people involved. The future of ham radio depends on them.

Speaking of the future of ham radio.... let me address the future of RARA. I mentioned in my last "Prez Sez" that all four of the Officers of RARA's Board of Directors terms are coming to an end on September 30th, 2014. The future of our club will depend on strong leadership with innovative ideas on growing and sustaining RARA. We will be listing a brief description of what the responsibilities are for each position in this and future RAGs to give potential candidates a bird's eye view of what they are signing up for. Our club has so many talented and knowledgeable members, but it needs to have you step up to the challenges that RARA will face going forward. Please give some serious thought to running for the Board of Directors and keep this great club exactly that, great.

Attention all you college students and seniors in high school, it is time to apply for the RARA Memorial Scholarship. Applications may be downloaded from our website www.rochesterham.org. All applications must be submitted by April 15th, so don't procrastinate. Take advantage of this opportunity, every little bit helps. Good luck to all of our applicants!

Lastly, the hamfest is one of the few sources of income for RARA, along with membership dues. Not having a hamfest this year will significantly affect our 2014 income. This was discussed at length during our last Board of Directors meeting, even though it is not a pleasant thought of reducing our income, it still made sense to postpone the hamfest this year. We will be tightening our purse strings to adjust to a smaller budget. More details on page 3.

We will be looking at other options that we can do to bring in additional income with the least amount of impact to our membership. Suggestions are always welcome, so if you have some ideas, please let me know. Email your suggestions to me at wb2ghc@arri.net.

Think Spring, it is just around the corner (I hope, hi hi).

Best 73!

CALENDAR OF EVENTS

MARCH 7TH - RARA General Meeting

7:00 PM at Henrietta Fire Co #1, 3129 East Henrietta Road

MARCH 11TH - RARA License Classes Begin

6:30 to 8:30 PM RIT

MARCH 12TH - RARA Board of Directors

5:30 PM RIT Engineering Hall, Room 2110

MARCH 15TH - Very Basic Electronics

9:30 AM RIT Gleason Hall, Room 3139

MARCH 15TH - RARA VE Testing

10:00 AM RIT Gleason Hall, Room 312

MARCH 22ND - Very Basic Electronics

9:30 AM RIT Gleason Hall, Room 3139

2014 RARA HAMFEST TAKES A HIATUS

Bill Marinucci, WB2GHC – RARA President

The RARA Board of Directors has deliberated for the last couple of months the feasibility of putting together a workable plan to have our annual hamfest in 2014. This task is not a simple one, by any means. It takes many volunteers to roll up their sleeves and take on the responsibilities of organizing, planning, and executing a host of tasks that need to happen in a timely fashion. This by far is our biggest challenge. We have struggled in getting enough capable volunteers in the past. Without volunteers, it just can't happen. Venues are becoming hard to find and more and more expensive. Dates are not always easy to find in May and June due to graduations, weddings, shows, etc., as well as these months being vacation months. It is becoming very difficult to attract vendors to come to hamfests due to the intense competition posed by the 1-800 telephone numbers, and then there is the internet. It is a fact that most gear is now bought on line, where there is usually no sales tax and many companies offer free shipping as well. This makes it very difficult to compete locally.

Food service is not always readily available. Parking and traffic control present significant challenges, especially when spaces are needed for flea marketing. Indoor facilities are sought after by potential vendors. Costs must be controlled. Marketing and ticket sales are critical functions that need to be handled effectively, etc.

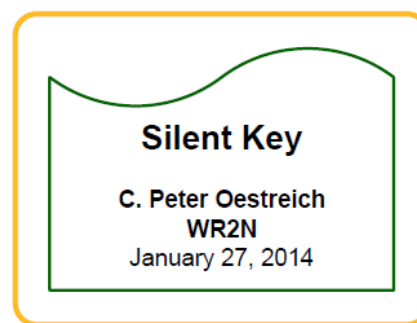
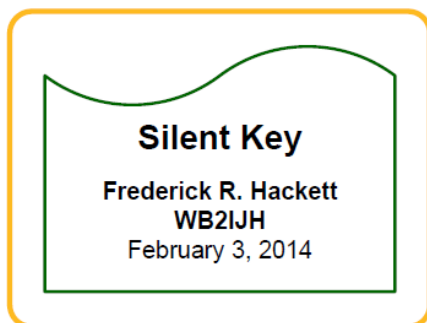
You can see that this is a huge undertaking, with so many factors to be considered. Reviewing where we are currently, along with the challenges that we still face for a 2014 hamfest, the Board of Directors has voted to postpone our next hamfest until 2015. The Board has committed to begin planning the 2015 hamfest NOW, allowing sufficient time to create an outstanding event.

This decision did not come easy. The hamfest is a major financial source of income to RARA, and revenues lost by not having a hamfest are significant. We also know how our membership looks forward to this event, and we know that there will be some disappointment about this decision. Hopefully though, this may encourage others to get involved so that the 2015 hamfest will be highly successful and one of the best that RARA has put on. A handful of volunteers cannot do it all, it is simply too daunting a task to accomplish with insufficient manpower. If we are to have future hamfests, then we need more folks to get involved in putting it together. If you are interested in being on the committee for the 2015 hamfest, please email me at WB2GHC@ARRL.NET or contact any Board of Directors member.

Along with the entire Board of Directors, I would like to extend our sincerest thanks to Charlie Escriva, KB2SOZ, for all of the effort that he has put into working on this year's hamfest. He spent a considerable amount of his time visiting, reviewing, and evaluating potential venues for this event. His efforts have not been in vain however, for we now have venues that are possibilities for our 2015 event. Thank you Charlie, your efforts are much appreciated by all of us.

What happens in 2015 depends on you, please, get involved!

Best 73



HERE IS KONIGS WUSTERHAUSEN PART II

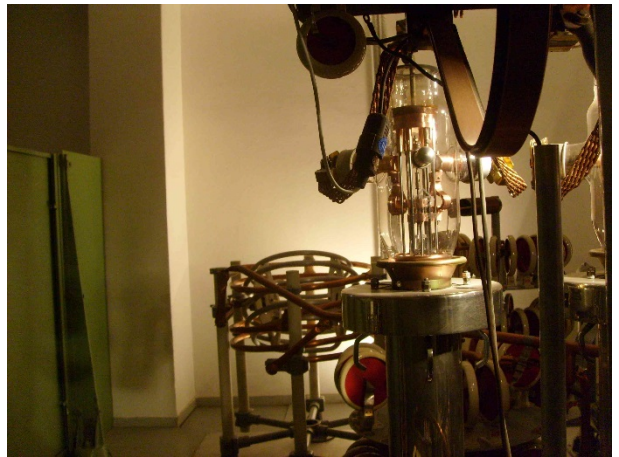
Bill Hopkins, AA2YV

In last month's RAG we learned about the reason for the creation of the gigantic transmitting station east of Berlin Germany, during WWI. What happened to that facility a short time later set the future for radio broadcasting in Germany.

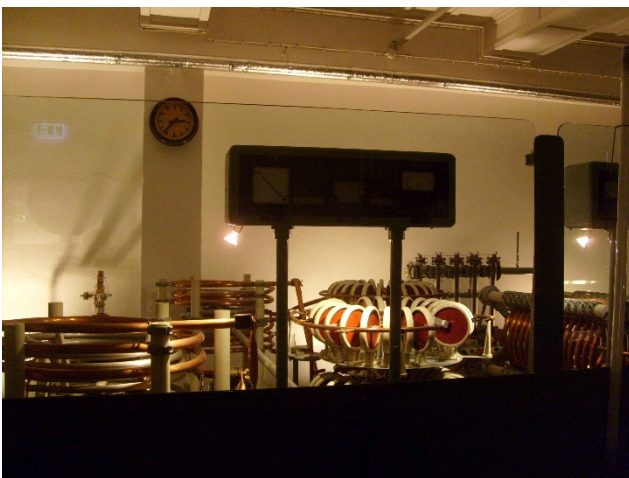


Jürgen Förster in the Museum Workshop

There is much to tell about this place. During WWI the military maintained communication and command control to the eastern and western fronts by way of KW, pumping out up to 70 kilowatts. The call sign was LP, derived from the first director's name, Major von Lepel (it's nice to be noticed, isn't it?). All signals were, of course, encoded. Lepel was transferred to the Western Front in 1917, and there, together with the engineer Dr. Hans Bredow and the physicist Alexander Meissner adapted equipment that could transmit radiotelephone. Bredow, a man of music, experimented with the harmonica and a reading of Heinrich Heine's poems to the troops in the area. One army radioman reported: "It was a day at the front, like any other day. Suddenly, in between the reports and radio traffic came this music, clear and articulate. I took off my headphones, full of amazement at this puzzling event. But the music then stopped. It didn't come from the outside! ..." As soon as several "sparks" in the trenches became worked up about it, the order came down to cease this flim-flam.



KW Final Amplifier Tube



Königs Wusterhausen Museum Transmitter

On December 22, 1920, after the war had ended, Bredow was back at the station at KW. Although the transmitting site was now a part of the German Imperial Post, regulations forbade German citizens to have receivers. Only seventy odd postal officials spread throughout the land and ship-bound radiomen (on the seas and in the air) were the official listeners. But there were black (illegal) listeners everywhere, thanks to those budding "amateurs." Again, Bredow didn't let up. Together with several other staff members they made up a little band and played "Silent Night." (Not without reason, Bredow is called the "Father of German Radio.") The original carbon granule microphone then used still stands in the Museum, in front of the upright piano. This music went on for some time during holidays; the musicians had to sit ever so close to the transmitter, making the non-electrical among them quite nervous. One day in 1923 the flute player ran out of reeds, and none were to be had on the market. A call went out on the radio for just one reed or maybe cane sugar stalks for the

purpose. The next day from London by airmail there arrived a package full of reeds. One listener from Luxembourg wrote that the audio ("Telephonie") was clearer from KW than from the Marconi station in Chelmsford England, despite the approximately equal air distances. Even by June 1921 microphone and transmitter technology were far enough along so that the opera "Madame Butterfly" could be transferred by line, uninterrupted, from the Berlin State Opera house to KW and emitted by an arc converter transmitter (Poulsen transmitter or *Lichtbogensender*). By 1923 a record player was hooked up and recordings were now possible. Most listeners, of course, thought it was live, and a would-be beau from

Switzerland sent a box of candy to the lady who sang "The Nightengale". Sadly, the recording couldn't eat it, but the station staff could.

Bredow's idea was to bring "art and knowledge into every household." Later, this transmitter station became only one among eleven for radio broadcasting across Germany, but it was continually used, throughout the Weimar Republic, the National Socialist period (as an arm of Goebbels' propaganda), and finally as the central station in the communist German Democratic Republic. The Museum now has so many large scale transmitters from the former East Germany (coast guard, etc.), that it can't accept any more.

To see the value of our own museum for wireless communication, visit the Antique Wireless Association Museum in Bloomfield, NY.

For further info on these two fabulous wireless museums, have a look at:
<http://www.funkerberg.de> and www.antiquewireless.org.

ROCHESTER AMATEUR RADIO ASSOCIATION MEMORIAL SCHOLARSHIP

This annual award is given to a licensed Amateur Radio operator pursuing a degree at any accredited post-secondary school. The individual must be a member of RARA and a resident of New York State. The award is for one individual for one year, but the recipient may reapply for subsequent years.

Download a [RARA Scholarship Application](#) at www.rochesterham.org.

Please answer all questions on the application completely. If any question is not applicable to your situation, enter N/A in the blank. Feel free to use annotated addendum sheets to explain your responses more fully. This award is based on a combination of need, scholastic achievement, contributions to Amateur Radio, extra-curricular activities and community involvement. All information provided on the application will be held in the strictest confidence. No personal information will be released without the approval of the applicant.

The deadline to submit your application is April 15, 2014, so please do not procrastinate in completing the application and getting it mailed in! The winner of the Rochester Amateur Radio Association Memorial Scholarship will be announced in June, 2014. Good luck to all applicants!

Please submit all applications to:

Rochester Amateur Radio Association
Memorial Scholarship Committee
P.O. Box 93333
Rochester, New York 14692-8333

PEAK THE GRID

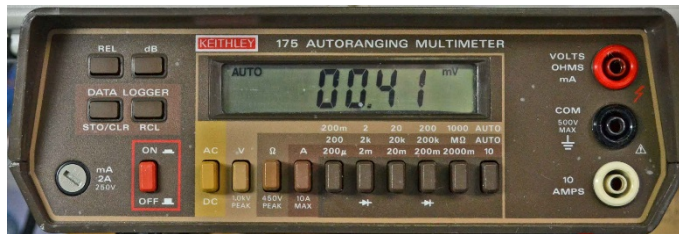
Forest Shick, WA2MZG

It is very strange how thoughts pop in and out of our heads and finally coalesce into an idea. Here are three thoughts that ended in the experiment for this article.

First there was a discussion at a RARA Board of Directors meeting about the \$3 DVM's available at Harbor Freight. Curiosity got the better of me; I bought one – they were \$6! About the same time I was mentoring a young engineer. I presented him a problem with data similar to the data in this article and asked him if he saw a problem in the data.

Finally, the Heisenberg Uncertainty Principle which I thought applied to this data. I Googled it and although the name sounds as if it applies to this situation – it doesn't. The real principle is called the "Observer Effect" which in my words states that the act of observing a phenomenon will affect the phenomenon and alter the state of what is being observed in some manner. I wish it was called the Heisenberg Uncertainty Principle, it sounds cooler!

I devised the following experiment to demonstrate all three ideas. I selected three digital voltmeters, DVM, and a digital voltage source to perform comparative voltage measurements. Two of the DVM's are at least 20 years old and have not been calibrated in an equal amount of time. The third is from Harbor Freight. The digital voltage source is a Datel DVC-350A.



Keithley 175 Autoranging Multimeter

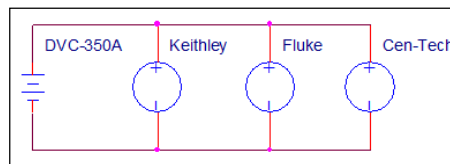


Cen-Tech



Fluke 77

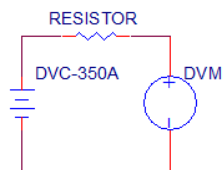
Step 1: I placed all three DVM's in parallel and connected them to the DVC. The DVC was set to 9.000V. The DVM readings are shown to the right.



- Keithley 8.999V
- Fluke 9.00
- Cen-Tech 8.99

Step 2: I selected four resistors and measured their resistance. The three DVMs did not agree as closely on resistance as they did on voltage.

Resistor	Keithley	Fluke	Cen-Tech
470K	482.2K	481K	481K
100K	99.5K	99.4K	99.3K
10K	9.856K	9.84K	9.85K
1K	987	986	989



Step 3: I placed each resistor in series with the positive lead of the voltage source and measured the voltage at the other end of the resistor relative to the negative lead of the voltage source. In this step I used one DVM at a time so that only the effect of a single

voltmeter was measured.

These are the results:

Resistor	Keithley	Fluke	Cen-Tech
0	9.001	9.00	8.99
470K	8.628	8.59	6.06
100K	8.921	8.91	8.17
10K	8.993	8.99	8.90
1K	9.000	9.00	8.98

Why was the measured voltage less than 9V in most of the measurements?

What would the DVM readings be if resistor was in the negative lead of the voltage source?

Would you get negative voltage?

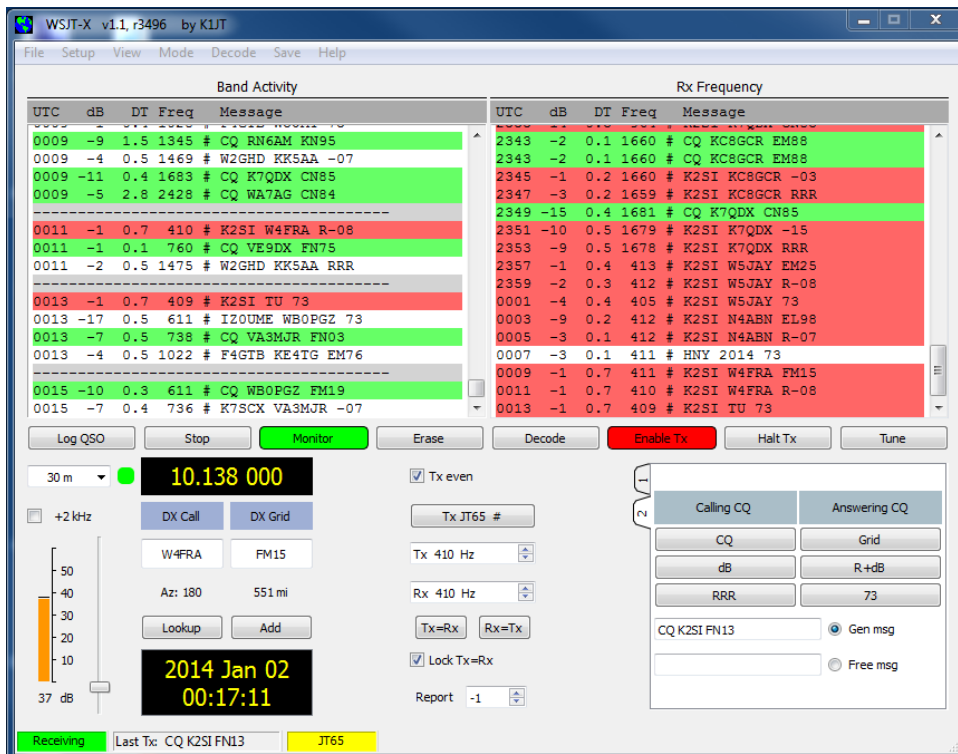
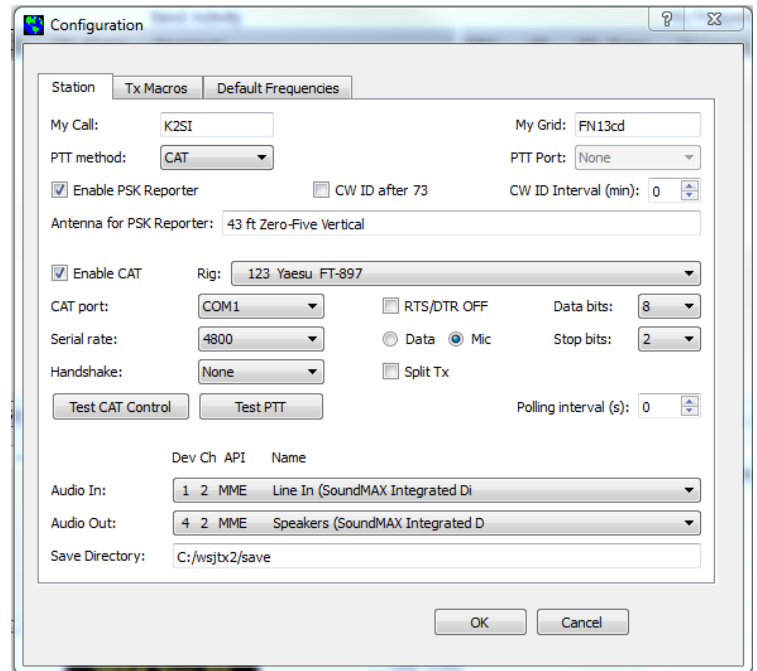
HAM TECH JT-65 AND JT-9

Duane Fregoe, K2SI

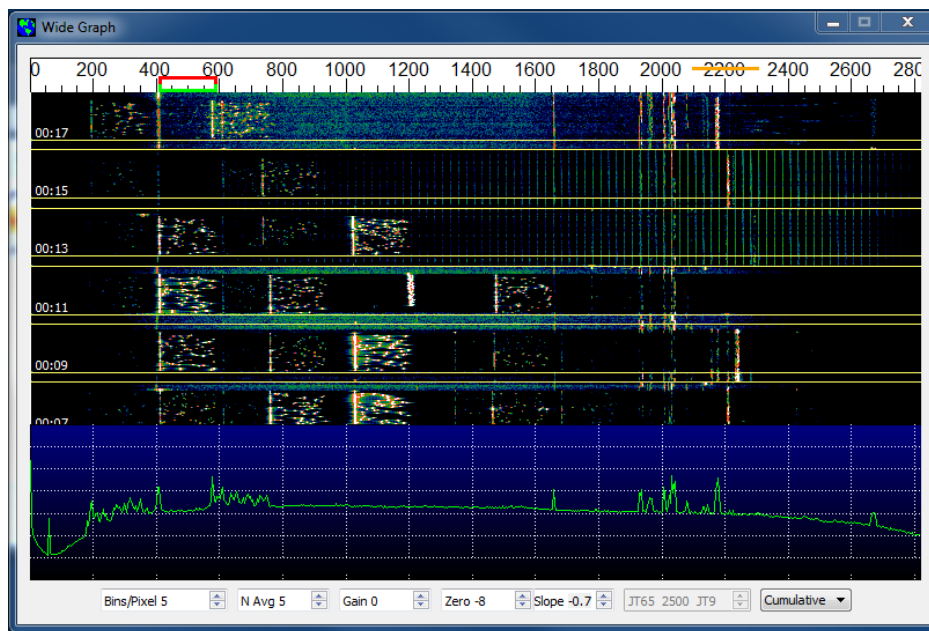
Continuing with my theme of digital modes and the marriage of computer and HF radio I will talk about two digital modes that are very similar and can be run with one software application. JT-65 and JT-9 are designed for weak signal communication. You only need about 10 watts of power to be effective in either of these modes. The software you need is WSJT-X and it is available at: <http://www.physics.princeton.edu/pulsar/K1JT/wsjsx.html> . Another piece of software is required to keep your computer time in very close sync with UTC time. The time sync built into Windows may not be accurate enough. Meinberg is my favorite NTP time sync software available at: <http://www.meinbergglobal.com/english/sw/ntp.htm> .

After downloading the WSJT-X software and installing it on your computer there is some configuration that will need to be done so the radio and computer are communicating with each other. The configuration window shown is for my Yaesu FT-897D. There is also a user manual on the WSJT-X website that will walk you through the setup and operating process.

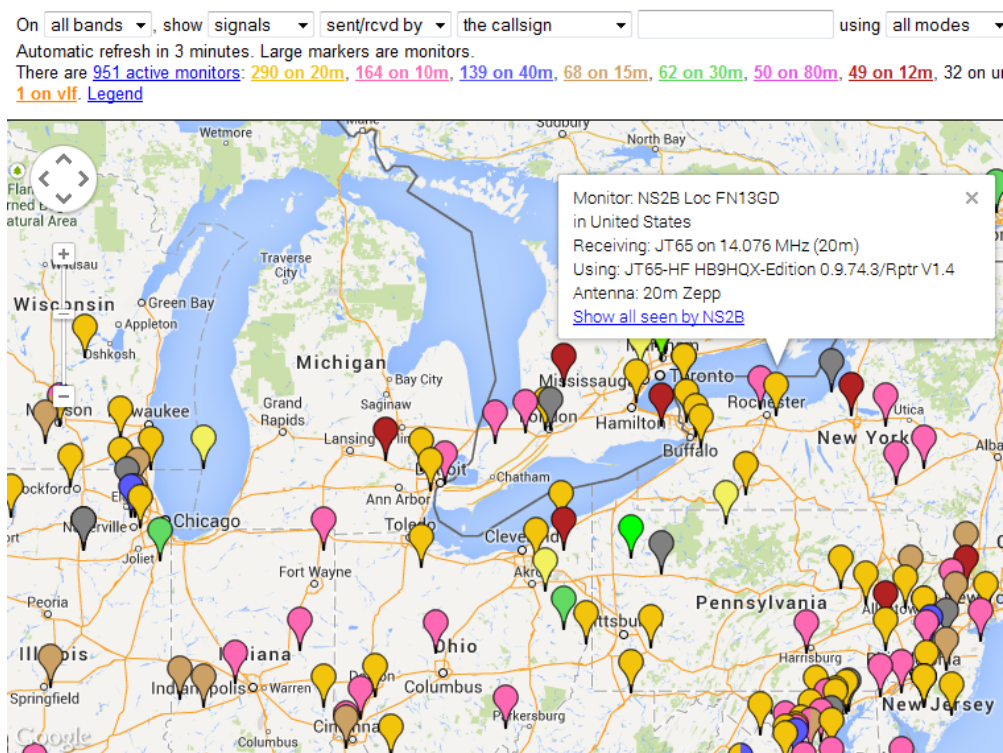
The message in a weak signal transmission is very short and will consist of a call sign, grid square, and a signal report. All transmissions on all bands are done on upper sideband. One downside to making a QSO with JT-65 or JT-9 is that it takes 6 minutes to complete it. The CQ station will send three times and the responding station will send three times at one minute each. It would not make for a good contesting mode. On the positive side if you need a drink or a snack you have 1 minute 50 seconds to leave the shack and return before your next mouse click. There are set frequencies on all the bands for finding JT-65. If you want to try JT-9 go two kilohertz higher. The next screen shows the program window.



In this demo you will notice in the band activity it list my frequency at 410. Looking at the next screen of the graph that is also part of the program you will see a marker between 400 and 600 showing the space that I am occupying.



The last piece of operating weak signal propagation is reporting to the internet. In the configuration window on the previous page you will want to check the box for Enable PSK Reporter. All your JT-65 or JT-9 activity will be shown on a map. The PSK Reporter map can be found at: <http://pskreporter.info/pskmap.html>.



Both JT-65 and JT-9 are supported modes in eQSL and LoTW if you send your logbook to either service. A search for JT-65 or JT-9 will find additional information and even some YouTube video on how to operate these modes.

W1AW/2 SPECIAL EVENT IN ROCHESTER!

The ARRL is 100 years old and having a special event with their Centennial Celebration. The Rochester DX Association, (RDXA club) is working the special W1AW/2 event Wed, May 21 - Tues May 27. Paul Mackanos, K2DB, will be the main coordinator for RDXA members to sign up and operate 2 hour blocks for that special event. Very generously, RARA has been approached and asked if K2JD would like to operate a team inside this special event.

There are many modes and time slots that could be organized, and experienced and newer folks of course would be welcome to check in with K2JD to operate some of the time slots available. This would be a great experience.

Interested RARA members, let me know WB2SXY@arri.net

CHET ALBRECHT, WB2MDO

Chet Albrecht, WB2MDO, celebrating his 96th Birthday at the Edna Tina Center, 700 Island Cottage Rd, Rm 313, Rochester, N.Y. 14612. He misses all of his friends on two meters and loves to receive cards. You would see Chet sitting in the back of the room at RARA meetings with his many friends and always won the "who is the oldest RARA member" contest on Old Timers Night. He says he'll give someone else a chance now.



LICENSING CLASSES BEGIN MARCH 11TH

Spring will be here – eventually. Instead of hibernating for the rest of the winter, why not sign up for classes to become a ham radio operator or to upgrade your current license? It's a great way to make new friends and get tips from our experienced instructors.

RARA will offer classes at the RIT campus in Henrietta on Tuesday evenings from 6:30 to 8:30 PM. Classes will run for 10 weeks, and are FREE to RARA members and students. Manuals may be obtained through the club at a discounted price of \$22.50. As an added incentive for new hams, RARA helps subsidize the cost of a small two-way radio for Technician course graduates.

So, what are you waiting for? Sign up now or get more information by e-mailing pamelakasper@frontiernet.net.

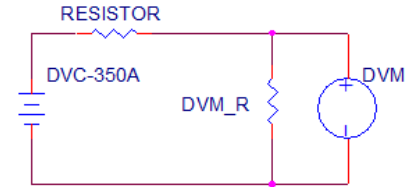
Pam Kasperkoski W2PHK
RARA Education Coordinator

DIP THE PLATE

Forest Shick, WA2MZG

The answer to the first question is that the DVM has a resistor between the positive and negative terminals. The circuit looks like this:

A voltage divider is formed and therefore the different measured voltages. This is a perfect example of the Observer Effect. You would expect to measure 9.00V but the DVM formed a voltage divider and disturbed the measurement.



This resistor in the Keithley and Fluke DVM's is about 10M ohms. The Cen-Tech is 1M ohm. You can calculate the voltage from the voltage divider and see the results.

Be aware of this effect when measuring voltage, or any type of measurement for that matter. With today's low power, high impedance circuits this effect will cause unexpected results, especially using devices similar to the CEN-TECH. Yes, you can have the same effect with an oscilloscope.

The young engineer thought there was an accuracy problem with the DVMs.

Putting the resistor in the negative lead still gives you a positive voltage reading, except in the April issue of the RAG!

Final note: For those of you who have never heard of "Peak the Grid and Dip the Plate", that is a technique used to tune the amplifier in a tube transmitter.

VE TEAM INPUT

In January we had a total of 10 examinees who earned 4 Technician Licenses, 3 General and 3 Extra. A very nice turn out and hearty congratulations to all successful January examinees and members of the VE team who assisted. The March test will be on the 15th. Note that the room has changed. We will be using 9-3129. Look forward to seeing you in March.

Castronova	KD2FKZ	T	Brockway	KD2FKY	G
Getman	KD2FLA	T	Krueger	KD2FMA	G
Gonzalez	KD2FKX	T	Dwyer	K9OTR	E
Popko	KD2FLB	T	Peach	N2EAP	E
Reemtsen	KD2EER	G	Stein	KB1HNO	E

BOARD OF DIRECTORS OFFICER'S RESPONSIBILITIES

Position	Responsibilities	Term Length and Limit
President	<ul style="list-style-type: none"> • Preside over all meetings of RARA and the Board of Directors. • Appoint committees and sub-committees. <ul style="list-style-type: none"> ◦ Serve as an ex-officio member of all committees. • Represent RARA in all official capacities. • Assure that all RARA by-laws are adhered to. 	<ul style="list-style-type: none"> • One year term • Two consecutive terms
Vice President	<ul style="list-style-type: none"> • Organize programs for monthly RARA meetings. <ul style="list-style-type: none"> ◦ Identify, invite, and confirm speakers for the meetings. ◦ Invite Dick Goslee and Ed Gable to run the annual auction in November. • Assist at the annual auction by tracking items sold and prices paid. • Notify the Membership Secretary of membership points earned by members. • Write a monthly article for the RARA Rag describing that month's program. • Organize annual Winterfest. 	<ul style="list-style-type: none"> • One year term • Three consecutive terms
Secretary	<ul style="list-style-type: none"> • Record all minutes of all meetings of the Board of Directors. • Record minutes at the annual membership meeting in September. • Keep physical and electronic records of all meetings during their term. • Retrieve all mail on a bi-weekly basis from the RARA P.O. Box. • Monitor newspapers for recent announcements in obituaries for Silent Keys. • Supervise the annual election. 	<ul style="list-style-type: none"> • One year term • Three consecutive terms
Treasurer	<ul style="list-style-type: none"> • Pay via check at monthly RARA meetings for costs incurred for that meeting, including costs for refreshments and raffle items. • Collect and count the refreshment collection, as well as raffle ticket sales at the monthly meeting. • Collect any membership dues payments and submit membership information to the Membership Secretary. • Present reports at monthly Board of Directors meeting from Citizens Bank account and Quick Books Pro account information. • Record all debits and credits executed every month. • File Postcard form 990 with the IRS. • Prepare 'straw man' financial outlook for the next Fiscal Year. • File all paperwork on all financial transactions for the fiscal year. • Present annual financial report to the membership at annual meeting. 	<ul style="list-style-type: none"> • One year term • Three consecutive terms

RARA RAGS OF THE PAST

Ed Gable, K2MP – RARA Club Historian

40 YEARS AGO, MARCH, 1974

How about operating a two meter repeater that would have state-wide coverage. Sounds appealing, thought program Chairman Joe Hood, K2YAH, as he introduced the speaker to talk on that subject. The qualified speaker was Bob Nezelek, W2CNS, from EDMAC Associates, who introduced the concepts of such a repeater for use by New York State Air Force MARS. A slide presentation of the repeater site in Victor, NY, was part of the program as was an on-the-air demonstration.

President Bob Lauzon, WB2NSD, in his President's Letter, reported on the very successful Valentine's Day Dinner Dance. Bob further reported that he and Hamfest General Chairman Harold Smith, WA2KND, just finished surveying the Monroe County Fairgrounds as a possible site for the Western New York Hamfest and VHF Conference. They were very enthusiastic. Bob Lauzon also reported that his Drake TR-22 two meter FM rig was stolen from his locked automobile and offered a fifty dollar reward for its return.

A Rochester old timer, Bill DeWitt, W2DD (sk), wrote a long, two page detailed report, on a 1926 experiment by the Rochester Radio Club (predecessor to RARA) that made the first commercial radio telephone broadcast from an air plane. Flying over the city, using 50 watts at 1429 kHz, and signing WKBK, the signals were very strong over a wide-area from the trailing wire antenna. It still makes good reading today.

A new publication, the HR Report, was just announced. Ten dollars a year brought you twenty-four newsletters with the latest ham radio news then possible. From the Want Ads Don Hassett, WB2QVD, was selling the entire estate of Vince, WB2QVC, including a Hallicrafters SX-88. (Worth over four thousand dollars today – Ed) A commercial advertiser was Jerry Fink, Inc., W2TTQ (sk), selling Hy-Gain, Cushcraft and other ham gear. Funny, Jerry has been advertising using the same copy for almost half a year now and has yet to put his address in his ad. I wonder if anyone ever told him?

NEWS FROM OTHER AREA CLUBS

MONROE COUNTY ARES / RACES NEWS

The Monroe County Amateur Radio Emergency Service, Inc. holds its meetings on the fourth Thursday of each month. Anyone interested, members and non-members, are welcome to attend. The next ARES Meeting will be held on: **Thursday, March 27, 2014, at 7:00 PM.**

Meetings are held at the **Greater Rochester Chapter of the American Red Cross HQ, 50 Prince Street, Rochester, NY 14607.** (Located behind the Rochester Auditorium Theatre, 885 Main St. E.)

ARES NET: Monroe County ARES/RACES meets on the air every Thursday of the month at 9:00 pm, on the 146.61 MHz (-) 110.9 Hz PL repeater. The only exception to that are nights when we hold our regular meeting, generally on the 4th Thursday of the month.

WEB: www.monroecountymcomm.org



NBEMS: Want to learn about Narrow Band Emergency Messaging System (NBEMS)? It's the latest and easiest way to "Go Digital!" Bring your laptop computer and 2-M handheld transceiver. We will conduct an NBEMS clinic after every meeting through 2014.

ROCHESTER RADIO REPEATER ASSOCIATION, RRRA

Mark your calendars. The Rochester Radio Repeater Association, RRRA, invites you to attend their annual auction on Friday March 21, 2014. The auction will be held at the regular RRRA meeting place which is the Pittsford Town Hall basement. The address is 11 S. Main St. Pittsford at the intersection of Rt. 31 and Rt. 96. Doors open at 7 PM and the auction will start at 7:30 P.M. We again have the privilege of Ed Gable, K2MP and Dick Goslee, KG2I volunteering as our auctioneers.

Help support RRRA with this fundraising event and if you are not already a member please join. As usual, 10% of the sale price will be paid by the seller to the RRRA treasury. Membership for RRRA is still \$10 with a \$5 assessment fee or \$15 total. Your membership helps keep this Club and the repeaters it supports alive. RRRA and its affiliate repeaters are comprised of 29.68, 53.33, 145.41, 146.88, 146.925, 147.18, 147.225, 224.58, 442.70, 442.80, 442.90, 442.925, 444.70, and 1288.00.

SQUAW ISLAND AMATEUR RADIO CLUB, SIARC

The Squaw Island Amateur Radio Club (SIARC) meets every second Wednesday of the month at 7:00PM at the Ontario County Safety Training Facility, 2914 County Road 48, Town of Hopewell. If we have VE testing we meet at 7:30PM with VE testing starting at 6:30PM. We will be meeting at 7:00PM on 3/12/14. There will be VE Testing before the March meeting.

GENESEE VALLEY AMATEUR RADIO ASSN.

The Genesee Valley Amateur Radio Association's next meeting will be March 23, 2014 at 6:30PM in the Livingston County Government Center. License testing will take place before each meeting starting at 5:30PM.

EDITORS' NOTE

Free press is available for your club! We welcome brief updates and meeting notices from all area ham clubs. Just send your input to editor@rochesterham.org. When preparing your article, please remember to keep it short, and assume that readers know nothing about your club. The article should be focused toward non-members, and not your own current members... that's what your newsletter is for! We hope all area clubs will take advantage of this opportunity to interest new members in joining their ranks.

THE AMATEUR'S CODE

Originally written by Paul M. Segal, W9EEA (1928)

THE RADIO AMATEUR IS:

CONSIDERATE	Never knowingly operating in such a way as to lessen the pleasure of others.
LOYAL	Offering loyalty, encouragement and support to other amateurs, local club, and the American Radio Relay League, through which Amateur Radio in the United States is represented nationally and internationally.
PROGRESSIVE	With knowledge abreast of science, a well built and efficient station and operation beyond reproach.
FRIENDLY	With slow and patient operation when requested, friendly advice and counsel to the beginner, kindly assistance, co-operation and consideration for the interests of others. These are the hallmarks of the amateur spirit.
BALANCED	Radio is an avocation, never interfering with duties owed to family, job, school or community.
PATRIOTIC	With station and skill always ready for service to country and community.

VISIT THE RARA WEBSITE!

Did you know that your club's website (www.rochesterham.org) offers these features and more?

- Photos of meetings & events (you might be in there!)
- Info on upcoming meetings/programs
- Rochester Hamfest information!
- Online membership & renewal
- Track and redeem your Reward Points
- Public service info & sign-up
- VE testing info
- Back issues of the *Rag* in PDF
- Officer contact
- List of past presidents
- Online membership directory
- Order RARA logo products
- Useful Internet links
- Ham Radio 101 – tons of tutorial info, plus net & repeater listings



RARA MARKETPLACE

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Contact us for details at editor@rochesterham.org.




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Michele A. Jamison, M.D.

RARA OFFICERS

OFFICERS

President: Bill Marinucci, WB2GHC	(585) 889-9008	wb2ghc@arrl.net
Vice-President: Gary Skuse, KA1JNL	(585) 223-1511	ka1njl@arrl.net
Secretary: Len Crellin, KC2PCD	(585) 267-9805	kc2pcd@rochester.rr.com
Treasurer: Ken Hall, W2KRH	(585) 289-3801	ken@w2krh.com

BOARD OF DIRECTORS

Marisa Ashour, KC2VMM	(646) 236-9009	msa2984@rit.edu
Jim DiTucci, N2IXD	(585) 426-7956	n2ixd@arrl.net
Bill Kasperkoski, WB2SXY	(585) 381-6552	wb2sxy@arrl.net
Ross Mazzola, KC2LOC	(585) 247-8323	kc2loc@arrl.net
Forest Shick, WA2MZG	(585) 721-1653	fshick@atriatechnologies.com
Matthew Smicinski, KC2TNR	(803) 386-7663	mjs7769@rit.edu

DEPARTMENT HEADS

Awards/ Raffle Administrators	Jay Hamill, KC2TCM Sabrina Hamill, WD2STK	
Club Historian	Ed Gable, K2MP	
Club Station Trustee	Jim DiTucci, N2IXD	n2ixd@arrl.net
Education Coordinator	Pam Kasperkoski, W2PHK	pamelakasper@frontiernet.net
Hamfest Producer	Charlie Escriva, KB2SOZ	
Public Service Coordinator	Joe Walker, KA8WJH	ka8wjh@arrl.net
License Testing Coordinator	Ken Hall, W2KRH	ken@w2krh.com
Membership Secretary	Lisa Schramm, K2BGR	
Media Communications	Len Crellin, KC2PCD	kc2pcd@rochester.rr.com
RARA RAG Editors	Marisa Ashour, KC2VMM	msa2984@rit.edu
	Forest Shick, WA2MZG	fshick@atriatechnologies.com
Refreshments Coordinator	Tom Austin, KA2GXX	
Webmaster	Frank Schramm, WB2PYD	wb2pyd@arrl.net

APRIL RAG DEADLINE

MARCH 15, 2014

We are always on the lookout for articles of relevance and interest to our readers. Homebrew articles are always fun in this day of appliance operating. If you have an idea – please try your writing skills. We do not grade your work!

Basic formatting for your article should be Arial, 10pt, Justify. If you have pictures or figures be sure to title them appropriately.



**RARA meets at 7PM on the
first Friday of each month;
come join us at:**

Henrietta Fire Co. #1
3129 East Henrietta Road
Henrietta, NY 14467

Get Directions

ROCHESTER AREA RADIO CLUB CONTACTS

Antique Wireless Association (AWA)

Lynn Bisha, W2BSN: lbisha@rochester.rr.com

Drumlins Amateur Radio Club Ltd. (DARC)

Glen Bruemmer, KC2YGH: kc2ygh@yahoo.com

Fisherman's Net Amateur Radio Club

Jim Sutton, N2OPS: jim@otrym.org

Genesee Valley Amateur Radio Assn.

Bill Boyd, N3DSP: N3DSP@lafireline.net

Monroe County ARES

Jim DiTucci, N2IXD: n2ixd@arri.net

Orleans County Amateur Radio Club (OCARC)

Terry Cook, K2EYS: k2eys@ocarc.us

Rochester Amateur Radio Association (RARA)

Bill Marinucci, WB2GHC wb2ghc@arri.net

Rochester DX Association (RDXA)

Mark Hazel, K2MTH: mthazel2151@yahoo.com

Rochester Radio Repeater Association (RRRA)

Bob Shewell, N2HJD: bshewell@frontiernet.net

Rochester VHF Group (RVHFG)

John Stevens, WB2BYP: wb2byp@arri.net

Squaw Island Amateur Radio Club (SIARC)

Steve Benton, WB2VMR: sbenton2@rochester.rr.com

XEROX Amateur Radio Club (XARC)

Ned Assam, W2NED: w2ned@frontiernet.com

THE RARA RAG

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